Name: _____

## at1110paper_practice_test (v39)

1. Expand the following expression into standard form.

$$(2x + 3)(4x - 9)$$

2. Solve the equation.

$$(7x - 6)(4x + 3) \;=\; 0$$

3. Expand the following expression into standard form.

$$(3x + 2)(3x - 2)$$

4. Expand the following expression into standard form.

$$(5x - 4)^2$$

5. Factor the expression.
$$x^2 - x - 72$$

6. Factor the expression.
$$49x^2 - 9$$

7. Solve the equation with factoring by grouping.
$$24x^2 + 20x - 18x - 15 = 0$$

8. Solve the equation.
$$9x^2 + 20x + 1 = 2x^2 + 3x - 5$$